MATERIAL PART LIST

for M-3830

NO : 1st Rev.

MODEL : M - 3830

DATE : Jan. 13, 1993.

PAGE : 6

CHARGE	CHECKED	APPROVED

M A T E R I A L P A R T L I S T

Model

Date : JAN. 13, 1993

NO	N A M E	RATINGS & DIMENSION	UNIT	Q`TY	PART NO.	REMARKS
1	C. P. U.	92DM	ea	1	IC1	
2	C. P. U.	92DS	ea	1	IC2	
3	L. S. I.	MAX134 CMH	ea	1	IC3	
4	I. C.	CD4011	ea	1	IC4	S. M. D. TYPE
5	I. C.	ICM7555	ea	1	IC5	〃
6	I. C.	TL062	ea	2	IC6,7	〃
7	I. C.	CD4027	ea	1	IC8	〃
8	I. C.	PC817	ea	2	IC9,10	D.I.P. TYPE
9	I. C.	CD4066	ea	1	IC11	S.M.D. TYPE
10	HYBRID I.C	HD - 08	ea	1	IC12	
11	I. C.	TL061	ea	1	IC13	D.I.P. TYPE
12	CRYSTAL	32.768 KHz	ea	1	XT1	
13	CRYSTAL	38.400 KHz	ea	2	XT2,3	
14	CRYSTAL	4.1856 MHz	ea	1	XT4	
15	ARRAY RES	6 PIN 100 K	ea	1	RA1	BECKMAN
16	ARRAY RES	9 PIN 100 K	ea	1	RA2	BECKMAN
17	C.F.R 1/4W J	100 K	ea	15	R1 ~ R14	CHIP TYPE
18	C.F.R 1/4W J	330 K	ea	1	R15	
19	C.F.R 1/4W J	330 K	ea	2	R16,17	CHIP TYPE
20	C.F.R 1/4W J	1 K	ea	1	R18	CHIP TYPE
21	C.F.R 1/4W J	750	ea	1	R19	CHIP TYPE
22	C.F.R 1/4W J	3.3 K	ea	2	R20,21	CHIP TYPE
23	C.F.R 1/4W J	7.5 K	ea	1	R22	CHIP TYPE
24	C.F.R 1/4W J	270 K	ea	2	R23,24	CHIP TYPE
25	C.F.R 1/4W J	27 K	ea	3	R25,26,27	CHIP TYPE

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NO	N A M E	RATINGS & DIMENSION	UNIT	Q`TY	PART NO.	REMARKS
26	C.F.R 1/4W J	10 K	ea	4	R28,29,30,31	CHIP TYPE
27	C.F.R 1/4W J	5.6 K	ea	1	R32	CHIP TYPE
28	C.F.R 1/4W J	51 K	ea	1	R33	CHIP TYPE
29	C.F.R 1/4W J	390 K	ea	1	R34	CHIP TYPE
30	C.F.R 1/4W J	2.2 M	ea	3	R35,36,37	CHIP TYPE
31	C.F.R 1/4W J	130 K	ea	2	R38,39	CHIP TYPE
32	C.F.R 1/4W J	200 K	ea	2	R40,41	CHIP TYPE
33	C.F.R 1/4W J	130K/160K/200K/220K	ea	1	R69	CHIP TYPE
34	C.F.R 1/4W J	150	ea	4	R46,47,48,49	CHIP TYPE
35	C.F.R 1/4W J	1 M	ea	3	R43,44,45	CHIP TYPE
36	C.F.R 1/4W J	910 K	ea	1	R42	CHIP TYPE
37	C.F.R 1/4W J	12 K / 15 K / 18 K	ea	1	R70	CHIP TYPE
38	POSISTOR	1.5 K	ea	2	PTC1,2	
39	SW. DIODE	KDS 184	ea	4	D1 ~ D4	B3
40	SW. DIODE	KDS 196/193	ea	10	D5 ~ D14	F3/G3
41	SW. DIODE	KDS 226	ea	2	D15,16	C3
42	REC. DIODE	1N4007	ea	8	D17 ~ D24	
43	REF. DIODE	1.2 V (BJ04)	ea	1	D25	
44	TRANSISTOR	MPSA42	ea	2	Q1,2	S.M.D TYPE
45	TRANSISTOR	C945	ea	1	Q3	S.M.D TYPE
46	TRANSISTOR	C3121	ea	1	Q4	S.M.D TYPE
47	TRANSISTOR	A733\BF909\BF910	ea	2	Q5,6	S.M.D TYPE
48	F. E. T	K192A	ea	1	Q7	
49	CERAMIC CAP	221	ea	2	C1,2	CHIP TYPE
50	CERAMIC CAP	10 P	ea	1	C3	CHIP TYPE

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NO	N A M E	RATINGS & DIMENSION	UNIT	Q`TY	PART NO.	REMARKS
51	CERAMIC CAP	104	ea	8	C4 ~ C10,35	CHIP TYPE
52	CERAMIC CAP	103	ea	2	C11,12	CHIP TYPE
53	CERAMIC CAP	33 P	ea	2	C13,14	CHIP TYPE
54	CERAMIC CAP	22 P	ea	4	C15 ~ C18	CHIP TYPE
55	CERAMIC CAP	334	ea	1	C19	CHIP TYPE
56	CERAMIC CAP	683	ea	2	C33,34	CHIP TYPE
57	SURGE CAP	102 / 1KV	ea	1	C20	
58	M.P.F.C	223 (0.022)	ea	2	C21,22	SMALL BOX TYPE
59	M.P.F.C	4.7 nF (0.0047)	ea	1	C23	SMALL BOX TYPE
60.	M.P.F.C	104	ea	1	C24	
61	M.P.F.C	224	ea	1	C25	
62	E . C	0.33 uF	ea	3	C26,27,28	
63	E . C	1.0 uF	ea	1	C29	
64	E . C	22 uF	ea	1	C30	
65	E . C	47 uF	ea	2	C31,32	
66	BUZZER	PIEZO BUZZER	ea	1	BZ1	
67	M.D.V.R	500	ea	1	VR1	AC
68	M.D.V.R	100 K	ea	1	VR3	REF
69	M.G.V.R	10 K	ea	1	VR2	VERTICAL TYPE
70	M.G.V.R	100 K	ea	1	VR4	
71	LOCK SWITCH	DL - 2201	ea	1	SW1	
72	TR SOCKET	8 PIN ROUND	ea	1		
73	HOUSING	RS - 232C MOLEX	ea	1		
74	JACK TERMINAL	M - 3850	ea	4		
75	M.F.R 1/2W D	10 M	ea	1	R50	

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NO	N A M E	RATINGS & DIMENSION	UNIT	Q`TY	PART NO.	REMARKS
76	M.F.R.1/2W D	9.95M	ea	1	R51	
77	M.F.R 1/4W D	1.1111 M	ea	1	R52	
78	M.F.R 1/4W D	101.01 K	ea	1	R53	
79	M.F.R 1/4W D	10.01 K	ea	1	R54	
80	M.F.R 1/4W D	1.000 K	ea	1	R55	
81	M.F.R 1/4W D	1.2 M	ea	1	R56	
82	M.F.R 1/4W D	301 K	ea	2	R57,58	
83	M.F.R 1/4W D	1 M	ea	1	R59	
84	M.F.R 1/4W D	5.62 K	ea	2	R60,61	
85	M.F.R 1/4W D	4.99 K	ea	1	R62	
86	M.F.R 1/4W D	1.73 M	ea	1	R63	
87	M.F.R 1/4W D	1.7 K	ea	1	R64	
88	M.F.R 1/4W F	75	ea	1	R65	
89	FUSE	400 mA / 250 V	ea	1	F1	
90	FUSE	20 A / 250 V	ea	1	F2	
91	FUSE CLIP	P.C.B TYPE	ea	2		400 mA
92	FUSE CLIP	P.C.B TYPE	ea	2		20 A
93	M.N.W.R	4.5 / 1W	ea	1	R66	
94	M.N.W.R	0.5 / 1/8W	ea	1	R67	
95	M.N.P.R	0.005 / 10W	ea	1	R68	
96	DIODE	251GC	ea	4	D26 ~ D29	BACK LIGHTING
97	BATTERY SNAP		ea	1		
98	L.C.D	S-0912D	ea	1		
99	FRONT CASE		ea	1		
101	BACK CASE		ea	1		

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NO	N A M E	RATINGS & DIMENSION	UNIT	Q`TY	PART NO.	REMARKS
101	KNOB	M3270	ea	1		
102	PUSH KNOB	M3270	ea	1		
103	BATTERY COVER		ea	1		
104	STAND		ea	1		
105	JACK TERMINAL MOLD		ea	4		
106	BACK LIGHTNG BOARD		ea	1		
107	REFLECTIVE BOARD		ea	1		
108	S/W RUBBER GUIDE		ea	1		
109	KNOB	M 3830	ea	1		
110	SELECTOR	M 3270	ea	1		
111	RS232C CABLE	6 PIN	ea	1		
112	KEY RUBBER	M 3270	ea	1		
113	KEY RUBBER	M 3850	ea	1		
114	RUBBER FOOT	M 36B	ea	1		
115	RUBBER FOOT	M 3850	ea	1		
116	SELECTOR SHAFT	M 3270	ea	1		
117	GASKET	M 3850	ea	1		
118	SHIELD PAPER	M 3850	ea	1		
119	FRONT PANEL	M 3850	ea	1		
120	FRONT CASE INSERT A	ϕ 5.0 X 6.4	ea	2		
121	FRONT CASE INSERT B	ϕ 5.0 X 10.4	ea	2		
122	BACK CASE INSERT	M36CR (Φ 4.0 X 5)	ea	1		
123	LCD BASE INSERT	Φ 5.0 X 10.0	ea	4		

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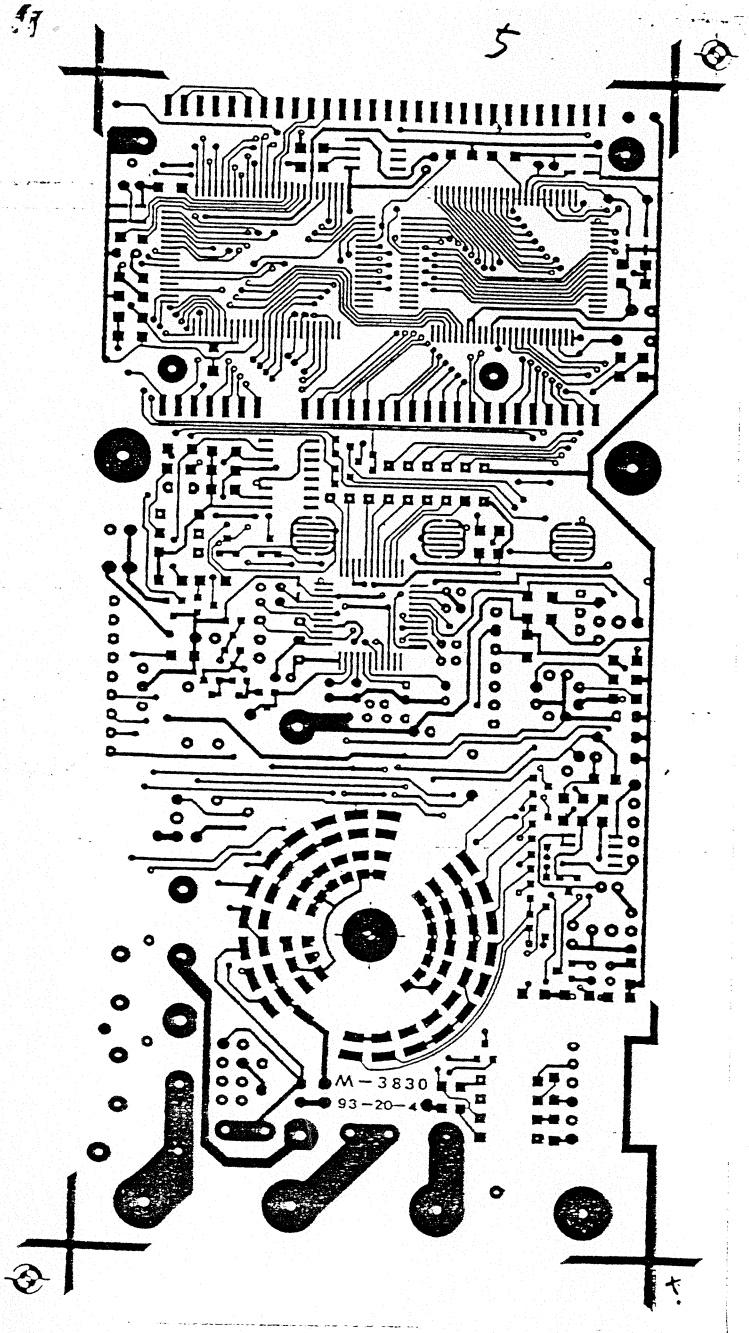
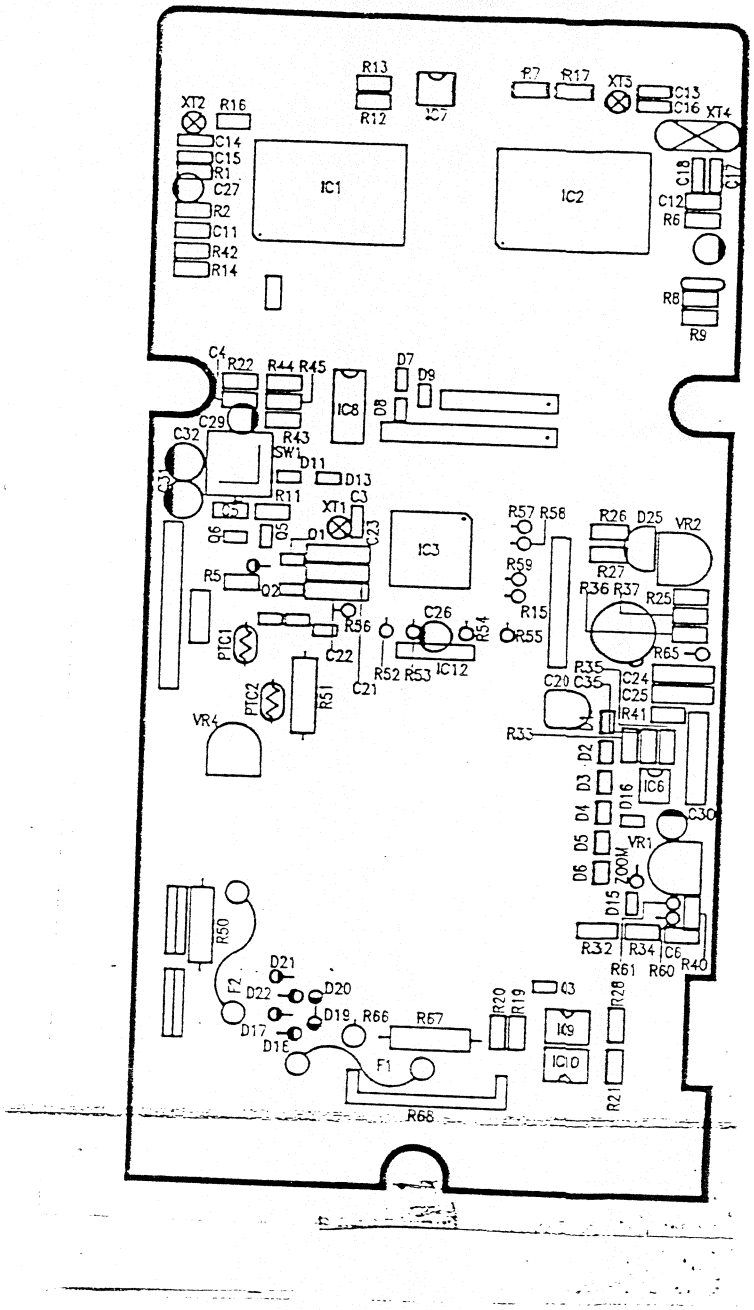
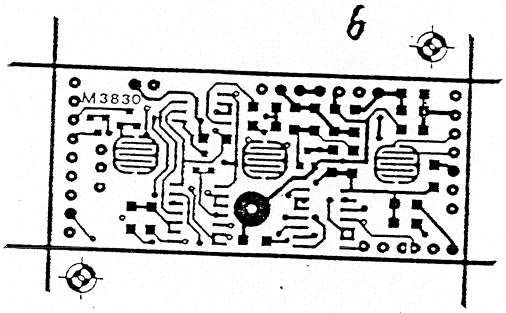
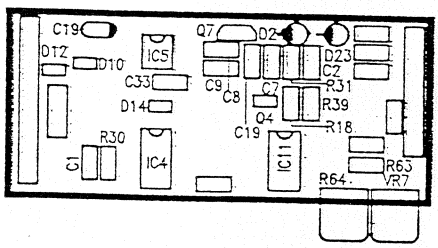
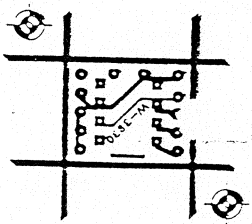
NO	N A M E	RATINGS & DIMENSION	UNIT	Q`TY	PART NO.	REMARKS
124	PCB SUPPORT	ϕ 5.0 8.0	ea	1		
125	E RING	ϕ 4.5	ea	1		
126	BALL	ϕ 4.0 (ϕ 3.96)	ea	2		
127	COIL SPRING A	외경3.85 자유장7.5	ea	1	6 TURN	선지름 : 0.5 ϕ
128	COIL SPRING B	외경3.85 자유장6.0	ea	1	5 TURN	선지름 : 0.5 ϕ
129	INTER CONNECTOR A	69.5 X 23.7 X 1.8t	ea	1		
130	INTER CONNECTOR B	69.5 X 18.8 X 1.8t	ea	1		
131	FRONT CASE SCREW	M36CR (ϕ 3.0 X 21.0)	ea	4		
132	BATTERY COVER SCREW	M36CR (ϕ 2.6 X 10.5)	ea	1		
133	LCD BASE SCREW	M3 X 5.0 (TAPPING)	ea	4		
134	S/W GUIDE SCREW	M2 X 5.0 (TAPPING)	ea	3		
135	GROUND POLE SCREW	M36CR (ϕ 2.6 X 4)	ea	1		
136	SUPPORT SCREW, NUT	M3 X 5.0, 3.0	ea	1		
137	SCREW	M2.6 X 7.0	ea	3		
138	SCREW	M2.6 X 3.0	ea	2		
139	GROUND POLE	M 36B	ea	1		
140						
141						
142						
143						
144						
145						
146						
147						

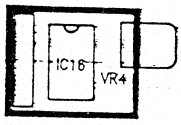












M3850
↓
M3830
IC16 → IC13
VR4 → VR3

IC1 92DM

IC2 92DS

IC3 MAX 134

IC1 4011 1:1 I-CON

IC4 4011 1:1 1Hz

IC11 4066 I-CON

IC11 4066 1:1

IC7 TL062

IC6 TL062

IC12 TL062

IC13 3 061

IC5 ICM7555

IC8 4027

IC9 PC817

IC10 PC817

AC/DC

OHM/CONT

50/60Hz

KDS193

KDS184

4007

BUZZER

NPSA42 Q1

NPSA42 Q2

Q5 A733

Q6 A733

Q7 K198A

Q4 C3121

R3 C945

DE3 BJ04

SW1

BACK LIGHTING

auto p/s

B/L 1

B/L 2

B/L 3

B/L 4

1Hz

523KHz

V/OHM

COM

mA

A

F1 800mA

F2 20A

mV

V

mA

A

Ohm

Diode

FREQ

CAP

hFE

LOGIC

PTC1 1.5K

PTC2 1.5K

RA1

RA2

RxD

DTR

RTS

TxD

SG

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
M6	M5	M4	M3	M4	M5	M6	M69	M70	M52	M51	M54	M53	M60	M59
	29	28	27	26	25	24	23	22	21	20	19	18	17	16
	S71	M67	M68	M65	M66	M63	M64	M61	M62	M70	M57	M58	M55	M56

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
S69	S68	S67	S66	S65	S64	S63	S62	S61	S60	S59	S58	S57	S56	S55
	58	57	56	55	54	53	52	51	50	49	48	47	46	45
	M74	M73	M72	S3	S4	S5	S6			S70	S51	S52	S53	S54

METEX CORPORATION	
TITLE	M-3830 SCHEMATIC DIAGRAM
DATE 1993.1.13	REV. 1ST
DESIGNED	CHECKED APPROVED
W.K.Kim	